

GRASS LAKE HIGH SCHOOL

COURSE DESCRIPTIONS

MATHEMATICS:

Course Title: Algebra A
Grade Level: 9-10
Prerequisites: None
Homework: 4
Credit: 1
Career Pathway: Business, Management, Marketing and Technology Engineering/manufacturing and Industrial Technology
Health Sciences
Human Services
Natural Resources and Agriscience

Course Description:

This course will cover the first 9 chapters of the Algebra 1 book.

This course will cover the topics of evaluating equations, writing linear models, interpreting expressions, analyzing charts, graphs, and tables, and families of functions. This class will also focus on symbolic solving and writing and analyzing linear models.

Course Title: Algebra B
Grade Level: 10-12
Prerequisites: Successful Completion of Algebra A and/or Geometry
Homework: 4
Credit: 1
Career Pathway: Business, Management, Marketing and Technology Engineering/manufacturing and Industrial Technology
Health Sciences
Human Services
Natural Resources and Agriscience

Course Description:

This course will cover Algebra 1 chapters 11-12 and Algebra 2 chapters 1-5.

The topics covered will be exponential and radical functions, rational functions and equations, data and linear representations, functions, systems of linear equations and inequalities, matrices, quadratic functions. Students will learn to simplify and solve exponential and radical functions, simplify and solve rational functions and equations, solve linear equations and inequalities, use products and factoring of polynomials, solve quadratic equations using different methods, and use matrices to solve systems of equations.

Course Title: Algebra C
Grade Level: 10-12
Prerequisites: Successful Completion of Algebra A & B, and Geometry
Homework: 4
Credit: 1
Career Pathway: Business, Management, Marketing and Technology Engineering/manufacturing and Industrial Technology
Health Sciences
Human Services
Natural Resources and Agriscience

Course Description: Algebra C

This course will cover Algebra 2 chapters 6-14.

This course will cover the topics of polynomial functions, exponential and logarithmic functions, rational and radical functions, conic sections, counting principles and probability, series and patterns, statistics, and trigonometric functions. Students will learn to multiply, divide and factor polynomial functions, solve exponential equations, simplify radical and rational expressions, solve radical and rational equations, how to work with different conic sections (circles, parabolas, ellipses and hyperbolas), solve discrete math problems that involve permutations and combinations and probability, solve sequence and series problems, solve basic statistics problems, and graph and solve trigonometric equations and expressions.

Course Title: **Geometry**

Grade Level: Tenth through Twelfth Grades

Prerequisites: Successful Completion of Algebra I

Homework: 4

Credit: 1

Career Pathway: Business, Management, Marketing and Technology Engineering/manufacturing and Industrial Technology
Health Sciences
Human Services
Natural Resources and Agriscience

Course Description:

This course will cover the topics of geometric form and its function, shapes and geometric reasoning, symbol sense and algebraic reasoning. The students will learn how to find surface area, area, volume, properties of various geometric figures, properties of angles, trigonometric ratios, use inductive and deductive reasoning, basic understanding of geometric proof, and analytical geometry. Students will gain experience with various types of functions and deepen their understanding of topics addressed in Algebra I and previous courses. These topics include: linear representations, systems of linear equations and inequalities, quadratic functions, and polynomial functions.

Course Title: **PreCalculus**

Grade Level: Eleventh through Twelfth Grades

Prerequisites: Successful Completion of Algebra I, Geometry, Algebra II-A, and Algebra II-B

Homework: 4

Credit: 1

Career Pathway: Business, Management, Marketing and Technology Engineering/manufacturing and Industrial Technology
Health Sciences
Human Services
Natural Resources and Agriscience

Course Description:

This course will cover the topics of number patterns, Equations and Inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, all trigonometric concepts, analytic geometry, and limits and continuity. This continued study of advanced topics in algebra and trigonometry will prepare the student to take Calculus.

Course Title: **Math Technology**

Grade Level: 12

Prerequisites: Successful Completion of Algebra A, Algebra B, Algebra C and Geometry

Homework: 2

Credit: 1

Career Pathway: Business, Management, Marketing and Technology Engineering/Manufacturing and Industrial Technology
Health Sciences
Human Services
Natural Resources and Agriscience

Course Description: Math Technology

As technology becomes more available in our everyday lives, Math has been and continues to be just as common. Integrated Math takes a project based approach to using Math and Technology as the basis for assignments that prepare students for everyday living. Topics explored will include budgets, excel spreadsheets, advanced PowerPoint, basic programming, stock market games, and more. Students will explore software programs such as Google Sketch Up, Google Sites, Google Maps, Google Calendar as well as, the new Microsoft Office Online Suite. The curriculum revolves around projects and programs that are free and available to everyone after high school from almost any computer they log onto. Students will work individually, in groups, and collaboratively online. Classroom instruction will be delivered traditionally, and online, so students will gain experience with both styles of learning. Some reading and writing will be required as well as, some homework.

SOCIAL STUDIES:

Title: **American History and Geography 1877-1945**
Grade Level: 10-12, Required
Prerequisites: Civics
Homework Scale: 3
Credit: 1
Career Pathway: Arts and Communications

Course Description:

American History focuses on people, events and concepts from Reconstruction through World War II. Students will study and understand the impact of the following: western expansion, Industrial Revolution, immigration, urban growth, reform movements, imperialism, World War I, Depression Era, and World War II. Through research, discussion, simulation, role-play, problem solving, and decision-making activities and projects students will explore themes including: diversity, tolerance, effects of technology industrialism, impact of important decisions in history, discrimination, and war.

Course Title: **Modern American History, 1945-Present/MI History**
Grade Level: 10-12, Elective
Prerequisites: American History
Homework Scale: 2
Credit: 1
Career Pathway: Arts and Communications

Course Description:

This course is a study of American history from the beginnings of the Cold War to present day. Students will examine and analyze American political and social events and concepts as well as world events as they impact or involve the United States. The contributions of noteworthy American citizens to the history of our country will be discussed as will actions and experiences of average Americans. This course will also study Michigan history from its beginnings to modern day Michigan.

Course Title: **Civics/Economics**
Grade Level: 9 required
Prerequisites: none
Homework Scale: 2
Credit: 1
Career Pathway: Arts and Communications

Course description:

The main goal of this course is to promote student understanding of the philosophy and structure of our federal republic and to encourage their active participation in the American democratic process. The class will also study different economic systems of the world with a focus on the American economic system and how it affects our students.

Course Title: **College Prep Eastern Civilization**
Grade Level: 11-12 elective
Prerequisites: American History passed with a C or better or permission of the instructor
Homework scale: 3
Credit: 1 elective
Career Pathway: Arts and Communications

Course Description: College Prep Eastern Civilization

This elective course is worth one credit. The focus will be on the development and contributions of civilizations located in Africa and Asia. The political and cultural history connected with these areas will be explored. Students will have both traditional forms of exams and alternative assessments. There will be required outside readings from primary sources such as the Koran, Sundiata and the Bhagavad Gita.

Course Title: **College Prep Western Civilization**
Grade Level: 11-12 elective
Prerequisites: American History –passed with a C or above or permission of instructor
Homework scale: 3
Credit: 1 elective
Career Pathway: Arts and Communications

Course Description:

This elective course is worth one credit. The approach is that of college Western Civilization humanities course including political history, art history, literature, philosophy and musical history. The focus in Western Civilization will be on history from Classical Greece to Western Europe circa 1850. To prepare students for college, many strategies and assessments are utilized. Students participate in recitations, seminars, and occasional student led lessons. They take blue book exams, oral exams, and traditional essay tests. They also have many outside primary source readings. Examples of these are: Sophocles' Antigone and Machiavelli's The Prince.

Course Title: **World Geography**
Grade Level: 10-12
Prerequisites: Civics/Law
Homework Scale: 2
Credit: 1 credit
Career Pathway: Arts and Communications

Course Description:

The class will focus on the study of location and distribution of living things. There will be separate units on physical, regional, cultural, political, and historical geography for each global region. This class will give the students a knowledge base enabling them to interpret current world events and analyze the impact of geopolitics on human interaction.

Course Title: **Psychology**
Grade level: 11-12
Prerequisites: Biology with a C or above
Homework scale: 2-5
Credit: 1
Career Pathway: Human Services

Course Description:

Psychology is a college-preparatory course offered to high school students. Introductory in nature, this class explores such issues as human development, personality, learning and motivation, intelligence, gender differences, biological behavior basis and mental illness. Activities for this class include individual and group presentations, classroom discussions on issues raised in the text, one paper on a topic relevant to the field, and experiments conducted during and outside of class time.

Course Title: **World History and Geography**
Grade level: 11-12
Prerequisites: Civics/Economics and American History
Homework Scale: 3
Credit: 1 required
Career Pathway: Arts and Communications

World History and Geography is a survey course designed to familiarize students with the political and geographic history of both eastern and western civilizations. Students will study the rich diversity in world history while learning to understand the unifying elements of the human experience. Through the use of research, simulations, role play and problem solving, the students will develop critical thinking skills to make objective judgments of historical and contemporary issues.

SCIENCE:

Course Title: **Physics 9**
Grade Level: 9, required
Prerequisites: None
Homework Scale: 4 - daily
Credit: 1
Career Pathway: Natural Resources and Agriscience

Course Description:

Physical science will study those concepts introduced in the middle school level to a more in-depth level. Concepts will include Matter, the Chemistry of Matter, Motion, Forces and Energy, Heat Energy, Electricity and Magnetism, and Sound and Light.

Course Title: **Biology**
Grade Level: 10, required
Prerequisites: Physical Science
Homework Scale: 3- two, three times a week
Credit: 1
Career Pathway: Natural Resources and Agriscience

Course Description:

Students who take Biology will participate in programs that make them aware of the interdependence between the sciences and society in today's world. Biology covers the study of life and living including the origin, diversity, structure, activities, and distributions of them. Students will be provided with opportunities to explore Biology through reading, discoveries, and hands-on experiences in the classroom laboratory and in the field.

Course Title: **Energy and the Environment - EE**
Grade Level: 10-11, elective
Prerequisites: Physical Science
Homework Scale: 4 - daily
Credit: 1
Career Pathway: Natural Resources and Health Services

Course Description:

An integrated science course that combines life science and earth science. Basic topics in ecology of organism relationships will be covered. Students will also examine the earth's traditional energy sources and our consumption of them, and study the environmental impacts of alternative fuels. Student involvement will be emphasized, as this is an academically and activity driven class.

Course Title: **Chemistry**
Grade Level: 10-12, required
Prerequisites: Pass all required science, mastery of algebra skills
Homework Scale: 4 - daily
Credit: 1
Career Pathway: Health Services, Human Resources, and Natural Resources

Course Description:

Acquiring laboratory skills and upper-level thinking will be emphasized, as well as working in coordinated groups. Topics covered will include a short review of basic scientific techniques, elements and periodicity, structure of the atom, chemical bonding, chemical equations and reactions, the Mole, and stoichiometry.

Course Title: **AP Chemistry**
Grade Level: 11, 12
Prerequisites: Pass all required science with an 80% or higher, mastery of algebra skills
Homework Scale: 4 - daily
Credit: 1
Career Pathway: Health Services, Human Resources, and Natural Resources

Course Description:

Acquiring laboratory skills and upper-level thinking will be emphasized, as well as working in coordinated groups. Topics covered will include a short review of basic scientific techniques, elements and periodicity, structure of the atom, chemical bonding, chemical equations and reactions, the Mole, stoichiometry, gas laws, and acid/base chemistry, electron configurations, and thermo-chemistry.

Course Title: **Forensics**
Grade Level: 11, 12
Prerequisites: Pass Biology and Chemistry with a 75% or higher
Homework Scale: 3 – two to three times per week
Credit: 1
Career Pathway: Health Services and Human Resources

Course Description:

1. **Intro to Forensics** (Describe the relationship of forensics and the law, explain the relevance of specific court cases to current forensics practices, describe typical courtroom proceedings, explain the importance of the work of various forensics pioneers, and describe the development of technology important to forensics)
2. **Evidence** (Describe the different types of evidence, explain how evidence is deposited, explain why certain evidence may be more likely to be found than others, and describe the different values of certain types of evidence in court proceedings)
3. **Crime Scene** (Be able to secure and search a crime scene, collect evidence and retain the “chain of evidence”, and draw and use a crime scene sketch)
4. **Ballistics** (Compare bullets and casings, reconstruct bullet trajectories (using simulated bullet holes, and gauge distance of shooter from powder burns (using case studies))
5. **Blood** (Describe the various components of blood, describe the nature of blood type, and its relative importance as evidence, describe different blood stain patterns based on source, direction, and angle of trajectory, and explain the method of chemically isolating old, invisible blood stains.)
6. **Fingerprints** (Collect and compare latent prints found at the crime scene with known samples)
7. **DNA Evidence** (Describe the methods of DNA collection, amplification, and analysis)
8. **Trace Evidence** (Use microscopes to compare hair, fiber, and tool mark evidence)
9. **Forensic Pathology** (Describe the nature of death)

Course Title: **Introduction to Engineering Design™**
Grade Level: 10
Prerequisites: Successful completion of Physics 9 and instructor's approval
Homework Scale: 2
Credit: 1
Career Pathway: Engineering

Course Description: Introduction to Engineering Design™ is a class which uses a design development process while enriching problem solving skills; students create and analyze models using specialized computer software.

*This class may qualify for one of the following high-school credits: Applied Science, Applied Math, or Performing and Visual Arts

Course Title: **Principles of Engineering™**
Grade Level: 10
Prerequisites: Successful completion of Introduction to Engineering and instructor's approval
Homework Scale: 2
Credit: 1
Career Pathway: Engineering

Course Description: Principles Of Engineering™ is a class which explores technology systems and manufacturing processes. It addresses the social and political consequences of technological change.

*This class may qualify for one of the following high-school credits: Applied Science, Applied Math, or Performing and Visual Arts

**These classes are a sequence (IED in the Fall Semester and POE in the Winter/Spring Semester) and the student must commit to completing both.

Course Title: **Advanced Biology - Emphasis on Zoology/Botany (study of animals and plants)**
Grade Level: 11-12
Prerequisites: Pass all required science, Pass Biology I with a 75% or better, if lower with teacher permission.
Credit: 1
Career Pathway: Natural Resources and Agriscience

Course Description:

Advanced Biology is a course to give the college bound students an opportunity to study the basic concepts of biology in greater detail. The concepts in this course are going to concentrate on topics within the realm of plant and animal science. Using fast plants, you are going to study the genetics of plants and observe heredity through several generations. Also, you will work extensively with animal development and hopefully hatch baby chicks. In this course, you are going to study the correlation between butterfly and Brassica life cycles. You will conduct experiments with the butterflies to study their behavior.

Course Title: **Advanced Biology – Emphasis on Human Anatomy/Physiology**
Grade Level: 11-12
Prerequisites: Passes all required science, pass Biology I with a 75% or better, or if lower with teacher permission
Credit: 1
Career Pathway: Natural Resources and Agriscience

Course Description: **Advanced Biology- ANT**

Advanced Biology is to give the college bound students an opportunity to study the basic concepts of biology in greater detail. This biology course is going to emphasize learning the human body systems and their correlation with medicine. There is extensive memorization of human anatomy in this course. Dissection of fetal pig and various mammalian organs is a requirement. There is also advanced work in genetics and cellular biology.

Course Title: **Advanced Physics**
Grade Level: Sophomore (with instructor's permission), Junior, or Senior
Prerequisites: Pass all required science with an 80% or higher.
Homework Scale: 4-daily
Credit: 1
Career Pathway: Natural Resources and Agriscience

Course Description:

The class will show the students how basic laws allow the predictions of the motions of matter. Individual topics investigating and predicting the interactions of waves with matter and other waves, including sound and light waves will be included. Simple electric circuits and electromagnetism will also be explored.

ENGLISH:

Course Title: **English Language Arts 9**
Grade Level: 9, required
Prerequisites: None
Credit: 1
Career Pathway: Arts and Communications

The curriculum for Language Arts 9 is designed to build a solid foundation of knowledge, skills, and strategies that will engage students in rigorous critical thinking skills throughout the semester. Literature will be taught thematically, and students will read a variety of short stories, plays, poems, magazine and newspaper articles. As developing writers, students will be asked to apply the concepts associated with the Collins Writing Program and 6 + 1 traits as they learn to evaluate and revise their writing.

Course Title: **English Language Arts 10**
Grade Level: 10, required
Prerequisites: English Language Arts 9
Credit: 1
Career Pathway: Arts and Communications

How can I discover the truth about others? What sacrifices will I make for the truth? What criteria do I use to judge my values? How will I stand up for what I value? What can I do to realize my dreams or visions for the future? How do I handle others' points of view? What role does empathy play in how I treat others? What power do I have as an individual to make positive change? How do I respond to improper use of power? How do I determine when taking social action is appropriate? What voice do I use to be heard? These questions and others will be considered when reading and responding to the selected readings. The goal for English Language Arts 10 is to continue to build a solid foundation of writing and reading skills and strategies that will be refined, applied and extended as students engage in more complex ideas, texts, and tasks. Tenth graders will connect with and respond to texts through critical response and stance.

Anchor texts

Of Mice and Men by John Steinbeck
The Crucible by Arthur Miller
Adventures of Huckleberry Finn by Mark Twain

Course Title: **English Language Arts 11**
Grade Level: 11, required
Prerequisites: English Language Arts 9, 10, and Developmental Writing
Credit: 1
Career Pathway: Arts and Communications

How can forward thinking help me make better decisions? How will I know when to risk failure for possible success? What are the tradeoffs for technological advances? These questions and others will be considered when reading and responding to the selected readings. The focus will be on developing critical reading, writing, listening and viewing

strategies using a variety of literary genres. The main theme studied will be *Transformational Thinking*. A broad range of authors whose works will include ideas about universal truths, decision making, human nature, the role of technology in society, and survival and adaptation in a changing world will be studied. Daily reading, writing, discussion, MME/ACT practice will prepare students for ELA 12, work and college, and MME/ACT success. Basic and determined conventions will be practiced for writing improvement.

Anchor Texts

Excerpts from *Beowulf* translated by Burton Raffel
The Canterbury Tales by Geoffrey Chaucer translated by Nevill Coghill
Hamlet by William Shakespeare
Frankenstein by Mary Shelley
Lord of the Flies by William Golding
Hiroshima by John Hersey excerpts ch. 1 + 2
Various Informational Texts related to the anchor texts in each unit
Films

Course Title: English Language Arts 12:

Grade Level: 12, required

Prerequisites: English Language Arts 9, 10, 11, and Developmental Writing

Credit: 1

Career Pathway: Arts and Communications

What responsibility do I have to society? What leadership skills have I developed? What leadership qualities will I take with me from high school? What qualities define a good world citizen? *Leadership Qualities* is the theme of English Language Arts 12. Selected readings from current and classic works will be studied to develop critical reading, writing, listening, and viewing skills. A variety of genres will provide students with an opportunity to evaluate examples of leadership and respond by determining their own leadership strengths and potential; examining, comparing, and drawing parallels between historical/social events; analyzing author's tone, perspective and use of satire. Students will apply information ideas and themes to a class project enabling them to prepare and practice responsible citizenship in a global world.

Anchor Texts

Grapes of Wrath by John Steinbeck
1984 by George Orwell
Animal Farm by George Orwell
Night by Elie Wiesel
Their Eyes Were Watching God by Zora Neale Hurston
Things Fall Apart by Chinua Achebe
The Great Gatsby by F. Scott Fitzgerald

Course Title: Developmental Writing

Grade Level: 9 or 10, required

Prerequisites: English language Arts 9

Credit: 1

Career Pathway: Arts and Communications

In this course, students will understand and practice writing as a recursive process. Students will use writing, speaking and visual expression for personal understanding and growth. They will communicate in speech, writing, and multimedia using content, form, voice and style appropriate to the audience and purpose. Students will develop and use the tools and practices of inquiry and research. They will produce of a variety of written, spoken, multi-genre and multimedia works, making conscious choices about language, form, style, and/or visual representation for each work.

Course Title: Classic American Literature:
Grade: 11-12
Prerequisites: Language Arts 9, 10, Developmental Writing
Credit: 1
Career Pathway: Arts and Communications

This course will address America's best literary works from the 1800s. Emphasis will be placed on the major themes and concepts associated with the Romantic Period. Students will read poems, short stories, novels, and essays written by America's classic authors, such as Poe, Whitman, Hawthorne, Thoreau and Dickinson. Students will demonstrate their understanding of important concepts taught in class through essays, projects, and presentations. Writing assignments will incorporate the major ideas associated with the Collins Writing Program and 6+ 1 Traits.

Course Title: Advanced Placement (AP) English
Grade Level: 12
Prerequisites: Department Permission, superior writing skills (a minimum of B in all English classes)
Credit: 1
Career Pathway: Arts and Communications

Course Description:

This is a one-credit, college level course. Students may obtain up to one year of college credit and/or advanced placement in college composition for their good performance on the Advanced Placement Examination in May. The test has two major subdivisions: a multiple-choice section that assesses reading and a writing section that usually has two literature-based assessments and an open-ended writing assessment. Students will study examples of prose from various fields and periods, primarily in British and American Literature. These examples will serve as practice in reading and as models of effective style. Students will use them as the basis for a variety of writing assignments. Composition assignments will analyze elements such as author's style, diction and purpose. Assignments will take the form of journal writing, in-class essays and more formal essay writing.

Course Title: Introduction to Drama:
Grade: 9-12
Prerequisites: None
Credit: 1
Career Pathway: Arts and Communications

The goal for Introduction to drama is to explore all aspects of theater productions. In this course, students will gain understanding of how plays are written, marketed, and developed into stage productions. Major units in the course include directing, stage design, stage management, costuming, makeup, lighting, sound, acting, and producing. Students will read several plays and analyze them for plot, theme, concept, characterization, and staging. *Although acting is explored, this is not an acting class and requires no acting experience.*

Course Title: Introduction to Speech:
Grade Level: 9-12
Prerequisites: None
Credit: 1
Career Pathway: Arts and Communication

The goals for Introduction for Speech is for each student to increase his/her spoken language skills and develop social and individual confidence. Students will demonstrate competence in informative, demonstrative, and persuasive speaking while displaying proper eye contact, posture, and articulation. Students will also understand the importance of listening, feedback, and the role of non-verbal communication in the communicative process.

Course Title: Introduction to News Writing:
Grade Level: 10-12
Prerequisites: Language Arts 9, Developmental Writing
Credit: 1
Career Pathway: Arts and Communications

The goal for this class is to explore how newspapers operate and gain experience in different styles of news writing. Units in this course include the history of newspapers, newspaper design, article structure, editorials, feature writing, sports writing, researching, interviewing, and mass media. Students will design and create a school newspaper or news broad casts that showcase the concepts learned in the course.

Course Title: Yearbook
Grade Level: 10-12
Prerequisites: Eng 9, Developmental Writing, *MUST HAVE TEACHER PERMISSION (See Mrs. Byers for a yearbook application)
Credit: 1 (skinny all year)
Career Pathway: Arts and Communication

Yearbook is a hands-on class that requires students to be self-motivated, organized, pay attention to detail, work well with others, and have some experience with computers. In the yearbook class, students will create the school yearbook by choosing a concept, layout and design, taking photographs, obtaining ad sales and fundraisers, using Adobe Indesign CS2, writing captions, and editing.

PHYSICAL EDUCATION:

Course Title: Physical Education 9
Prerequisite: None- Required
Homework: Bring change of work out clothes daily.
Credit: 1
Career Pathway: Health Services

Course Description: 9th Grade Physical Education will participate and be tested by the “President’s Challenge”. Students will be tested in the sit-and-reach, shuttle run, pull-ups, push-ups, curl-ups, and the mile run. They will learn the methods and benefits of anaerobic and aerobic activities while participating in weight lifting and circuit training. Physical activity units will include air force football, brisket ball, flag tag, basketball, hockey, volleyball, soccer, badminton, etc.

Course Title: Health
Prerequisite: None- Required
Credit: ½ credit (taught opposite Career Forward)
Homework: Occasional
Career Pathway: Health Services, Arts & Communications

Course Description: Health course addresses the physical, mental, emotional, and social dimensions of health. It develops health knowledge, attitude, and skills. It is designed to motivate and assist students to maintain and improve their health, prevent disease, and reduce health-related risk behaviors. Based on the Michigan Model and Health and Wellness textbook from Glencoe, it contains units in Teens and Tobacco, Substance Abuse Prevention, Nutrition, and Lifelong Physical Fitness.

Course Title: Advanced Fitness/Sports Medicine (taught every other year)
Pre-requisite: PE 9 and Biology
Homework Scale: 3
Credit: 1
Career Pathway: Health Services

Adv. Fitness/Sports Med.

Course Description: Areas to be covered are flexibility, strength, cardiovascular as well as mental fitness, hygiene, diet, basic anatomy and kinesiology. Analysis of basic injuries with prevention, treatment and rehabilitation. Also nutrition, hygiene and training as related to different sports and performances. The class will also contain lab, with hands on treatment and preventative procedures.

Course Title: **Sports & Recreation**
Prerequisite: PE 9
Homework: Change of appropriate clothing for physical activity
Credit: 1
Career Pathway: Health Services
Human Services

Course Description: Students will participate in the sports of Flag Football, Floor Hockey, Volleyball, Basketball, Badminton, Team Handball, Pickleball, Soccer, etc. Students will have pre- and post skills tests over most of the units and also have a hand-written exam over every sport. Emphasis will be placed on self-improvement, teamwork, and sportsmanship. Class will meet daily for one semester. Class will meet daily for one semester.

Course Title: **Weightlifting and Fitness**
Pre-requisite: PE 9
Homework: Change of appropriate clothing for physical activity
Credit: 1
Career Pathway: Health Services

Course Description: This course will be of benefit to both athletes and non-athletes alike. This course is based on the Bigger, Faster, Stronger program. The students will weight lift on Mondays, Tuesdays, Thursdays and Fridays. On Wednesdays students will be involved aerobic and anaerobic activities such as circuit training, "core" strength training, plyometrics, etc. Students will be tested in the Bench Press and Squat at the end of each marking period. Students will also participate in the "President's Challenge" which involves testing in the following fitness tests: sit-and-reach, shuttle run, pull-ups, push-ups, curl-ups, and the mile run.

FOREIGN LANGUAGE:

Course Title: **Spanish I**
Grade Level: 9th – 12th grade
Prerequisites: none
Homework: 3 (two to three times a week)
Credit: 1
Career Pathway: Arts and Communication

Course Description:

Spanish I focuses on basic reading, speaking and writing in Spanish. Students will learn a variety of vocabulary laying the foundation for further levels of study. Students will learn how to conjugate verbs in the present tense (indicative) and the present progressive tense. Students will also learn through Total Physical Response Storytelling where the language will be acquired similar to the acquisition of their L1 language.

Course Title: **Spanish II**
Grade Level: 9th – 12th grade
Prerequisites: C+ or better in Spanish I
Homework: 3 (two to three times a week)
Credit: 1
Career Pathway: Arts and Communication

Course Description: Spanish II

Spanish II is a continuation of what students learned in Spanish I. Vocabulary will be based on each chapter's theme. For example: food and cooking. Students will expand their knowledge of grammar and verb tenses, such as, the preterite (past) tense, informal commands, and the present subjunctive. Students will be provided opportunities to showcase their knowledge of Spanish through skits, videos, PowerPoints and presentations all in the target language.

Course Title: Spanish III
Grade Level: 10th – 12th grade
Prerequisites: C+ or better in Spanish II
Homework: 3 (two to three times a week)
Credit: 1
Career Pathway: Arts and Communication

Course description:

Spanish III will focus in depth on students continued fluency in all areas of Spanish. This is considered an elective course dedicated to providing a quality learning experience for students who have a passion for learning Spanish. Students will continue learning vocabulary in a thematic fashion and will expand their ability to communicate in the present, past, subjunctive, future and conditional tenses.

CHOIR:

Course Title: Mixed Choir
Grade Level: 9th-12th
Prerequisites: None
Homework Scale: 1
Credit: ½ each semester, skinny
Career Pathway: Arts and Communications

Course Description:

Mixed Choir is a beginning/intermediate level chorus and requires a semester commitment. Students will be introduced to basic music theory, sight-reading, performance skills, multiple singing techniques and various styles of music. In addition, students will develop their organizational and leadership skills. Respect, cooperation and teamwork are very important aspects of the class. Choir is a co-curricular class and students are expected to participate in up to three concerts per semester that will be held either during the school day or in the evening. Failure to attend concerts will seriously impact the students grade. Additional performances may be added at the discretion of the choral director. Optional opportunities to participate in MSVMA Solo and Ensemble Festival and Regional Honors Choir will be available as well as music department sponsored trips.

Course Title: Select Choir
Grade Level: 9th-12th
Prerequisites: Private Audition with director
Homework Scale: 1
Credit: ½ each semester, skinny
Career Pathway: Arts and Communications

Select Choir is an intermediate/advanced level chorus and requires a year commitment. Students will study and apply music theory, sight-reading, performance skills, multiple singing techniques, various styles and difficulty of music. A superior quality of work ethics, respect, cooperation and dedication to teamwork is expected from each member of the class. Choir is a co-curricular class and students are expected to participate in up to three concerts per semester that will be held either during the school day or in the evening. Failure to attend concerts will seriously impact the students grade. Additional performances may be added at the discretion of the choral director. Optional opportunities to participate in MSVMA Solo and Ensemble Festival and Regional Honors Choir will be available as well as music department sponsored trips.

BAND:

Course Title: Jazz Band
Grade Level: 9-12, elective
Prerequisites: Membership in Senior High Band, audition, and director approval
Homework Scale: 3
Credit: 1 credit (all-year skinny)
Career Pathway: Arts and Communications

Course Description:

Jazz Band is a performance ensemble and a yearlong commitment. Members are expected to take part in every performance as our success is dependent on each member's participation. Students will learn the basics of improvisation, song forms, and some basic music theory. Formal concerts will occur in October, December, March, and May. We will also perform at the Grass Lake Expo, the Elementary School for "Spaghetti and Swing," and possibly a concert at a local country club or shopping center. Home basketball games where the jazz band performs take place between December and February. Jazz Band may require other occasional time commitments outside of school hours.

Course Title: Senior High Band
Grade Level: 9-12, elective
Prerequisite: Junior High Band (exceptions can only be made with director approval)
Homework Scale: 3
Credit: 1 credit (all-year skinny)
Career Pathway: Arts and Communications

Course Description: Senior High Band

Senior High Band is a performance ensemble, and a yearlong commitment. Students will develop their musical and organizational skills, develop leadership skills, and improve their interpersonal abilities through teamwork. Service to the community and the school are part of the band's responsibilities. Members are also expected to attend *marching band camp* in July before the school year, as the band will be **marching** at all home football games, at the Vandercook Lake Marching Exhibition show, in the homecoming parade, at one indoor concert in October, and in the Memorial Day parade in May. Since football games start before the official start of school, we may need to perform at a late August or early September game, depending on the schedule. If the football team advances in the playoffs again, the band will also perform at those games and that schedule will be made available as it develops.

After football season, the Symphonic Band holds formal concerts in December, March, and May, and also takes part in band festival in March. Practicing outside of school is a requirement as we don't qualify for State Festival three out of four years without true dedication from each of our members. Solo and Ensemble competition in February is also an option for all band members. The band ends the year marching in the Memorial Day Parade and performing at graduation. Members are expected to take part in every rehearsal and performance as our success is dependent on each member's participation.

ART:

Course Title: 2-Dimensional Design
Grade Level: 9-10
Prerequisites: None
Homework: 1
Credit: 1
Career Pathway: Arts & Communication, Marketing & Technology
Fine & Performing Arts
Media/Visual Imagery Technology
Communications

Course Description:

Two-dimensional art is art that is flat, such as drawings, paintings, and prints. Course work will be organized in a sequential format that encompasses art history, art analysis, aesthetics, and art production. Students will be encouraged to express themselves while experimenting with a variety of drawing media. Basic understanding of color theory and painting

materials such as, watercolors and tempa paints will be introduced. Fundamental printmaking techniques such as linoleum, mono-prints, tessellations, gyotaku, and lithography will be explored. The focus of this class will be on creating art while making connections to historically significant works of art.

*All art classes at Grass Lake High School are studio/lab type courses. The majority of the work must be completed in the art room. Therefore attendance is extremely important and points for participating in class are given on a daily basis. Students who are tardy, absent, or not working will lose points for lack of participation.

Course Title: **3-Dimensional Design**
Grade Level: 9-12
Prerequisites: None
Homework: 1
Credit: 1
Career Pathway: Arts & Communication, Marketing & Technology
 Fine & Performing Arts
 Media/Visual Imagery Technology
 Communications

Course Description: 3 D Design

Three-dimensional art is art that has three dimensions: height, width, and depth. Students will have the opportunity to explore a variety of sculptural media while increasing their knowledge and understanding of three dimensional forms. An introduction to the basic elements of sculpture (form and space) through the use of a variety of materials will be the emphasis of this class. Basic ceramic techniques such as hand building as well as wheel thrown pottery will be included in this class. The course emphasizes the many possibilities for the use of materials to create sculptural forms and vessels. All art classes at Grass Lake High School are studio/lab type courses. The majority of the work must be completed in the art room. Therefore attendance is extremely important and points for participating in class are given on a daily basis. Students who are tardy, absent, or not working will lose points for lack of participation.

Course Title: **Computer Graphic Design**
Grade Level: 9-12
Prerequisites: None
Homework: 1
Credit: 1
Career Pathway: Arts & Communication, Marketing & Technology
 Fine & Performing Arts
 Media/Visual Imagery Technology
 Communications

Course Description:

Visual Symbolism in advertising, packaging, and products will be explored as students learn computer and drawing skills. Students create graphic design projects while learning to use Adobe Photoshop, Adobe Illustrator, and Adobe InDesign software programs. Some Internet research, reading, and writing will be required in addition to the use of computers and drawing.

All art classes at Grass Lake High School are studio/lab type courses. The majority of the work must be completed in the art room. Occasional homework may be assigned. Supplies for creating the projects do not leave the room. Therefore attendance is extremely important and points for participating in class are given on a daily basis. Students who are tardy, absent, or not working will lose points for lack of participation.

Course Title: **Photography**
Grade Level: 11- 12
Prerequisites: Successful completion 2 Art classes
Homework: 1
Credit: 1
Career Pathway: Arts & Communication, Marketing & Technology
Fine & Performing Arts
Media/Visual Imagery Technology
Communications

Course Description:

This is an introductory photography course for advanced art students. The course is designed to help students learn both the technical and creative aspects of photography. Processes for developing film and paper, digital and analog camera basics, and the computer as a darkroom will be taught. The emphasis will be placed on aesthetics and finding personal strengths to express on film and paper. Research, reading, writing, and exhibition of work will be required.

BUSINESS/TECHNICAL EDUCATION:

Course Title: **Technology-Career Forward**
Grade Level: 9
Prerequisites: None
Homework Scale: 2
Credit: ½ credit (taught opposite Health)
Career Pathway: Arts & Communications, Business, Management, Marketing and Technology

Course Description: Career Forward is an online course designed to help Michigan students plan their work lives and career opportunities in today's global economy. It satisfies the new Michigan Curriculum requirements for an online course. This class will use Moodle for online instruction. It will also address as many advanced computers skills as time allows.

Course Title: **Video and Communication**
Grade Level: 10, 11, 12
Prerequisites: Speech Class (recommended) Intro to Computers
Homework Scale: 3
Credit: 1 OR ½ (may be taken as a full block or a skinny –either one semester or an entire year- also, with instructor's approval, may be taken as an independent study)
Career Pathway: Arts and Communication
Marketing and Technology

Course Description:

Students will create video and news presentations, and be responsible for daily announcements and weekly highlight videos. Use of various digital cameras is required. Students will research and attend extra curricular events, write script, and create and edit their work. Involves work outside of the regular school day.

Course Title: **Senior Transitions**
Grade Level: 12
Prerequisites: Seniors only
Homework Scale: 4
Credit: 1 (Required for Graduation)
Career Pathway: Arts & Communications, Business, Management, Marketing and Technology

Course Description: **Senior Transitions**

Students must show technology skills necessary to be successful in further studies and/or work settings. The class will encompass such activities as producing an electronic portfolio able to be posted to the internet, extensive use of MS PowerPoint, technology in voice and audio components, and video use. Additionally, the class will require a hard copy

portfolio which requires extensive use of MS Word, printing, graphics, camera use, and scanning. Skills will be required in MS Excel, merging documents, and creating letters and forms.

The class will also encompass such activities as: career and employability skills, practicing social skills, practicing and demonstrating acceptable behavior in the workplace or public setting, being able to identify proper behavior and when it is advantageous to use it, financial reviews of money, credit cards, loans, and investing, goal setting, planning for the future, the importance of punctuality and meeting deadlines. The class will allow students the opportunity to speak with college representatives, vocational school representatives, and prospective employers, along with resume writing, interview skills, and business etiquette. The class will show students how the technology and skills that they have learned creates a pathway for them to realize more success as they leave high school.